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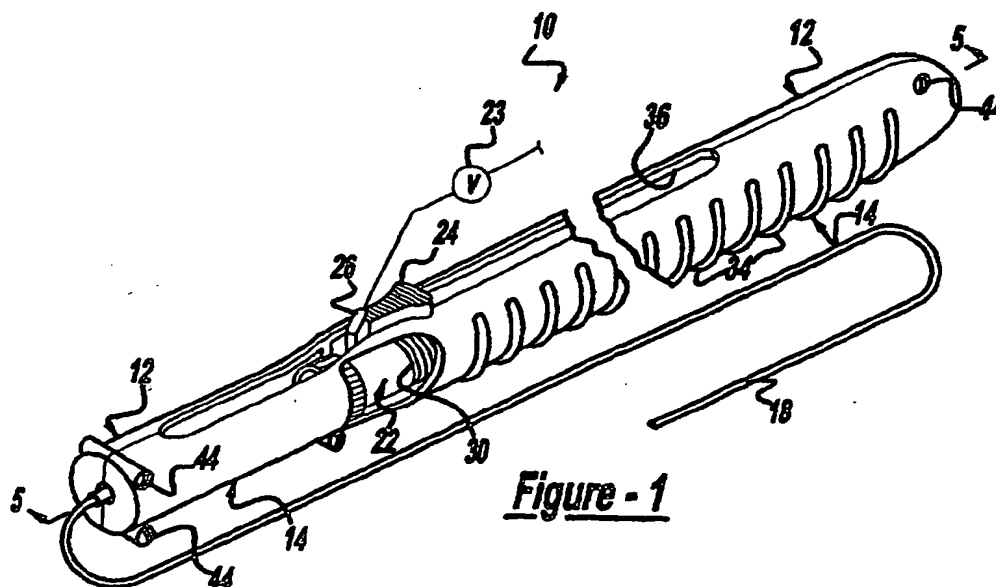
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**(54) Handle deployment mechanism for medical device & method**

(57) A system for delivering at least one medical device to a desired location for treatment, and then selectively deploy it in position, includes an improved handle. One of the possible features of the handle may be to selectively hold the delivery system components at any

desired configuration during deployment and positioning of the medical device. Another possible feature of the handle may be more than one mode of operation, in which the deployment of the medical device can selectively proceed at more than one speed.



**Figure - 1**

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## EUROPEAN SEARCH REPORT

Application Number  
EP 02 25 7071

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
E	WO 02 087470 A (ANGIOMED AG ; VOGEL MICHAEL (DE); DORN JUERGEN (DE)) 7 November 2002 (2002-11-07) * page 6, line 20 - line 34 * * page 7, line 11 - line 27 * * page 8, line 9 - page 15, line 3 * * figure 1 *	1,2,4,6,7	A61F2/06
X	WO 98 11846 A (MICRO THERAPEUTICS INC) 26 March 1998 (1998-03-26) * page 40, line 32 - page 41, line 7 * * figure 47 *	8	
Y	EP 0 873 733 A (MEDTRONIC INC) 28 October 1998 (1998-10-28) * figure 1 * * column 3, line 37 - column 4, line 55 *	1-8	
Y	EP 0 876 804 A (ADVANCED CARDIOVASCULAR SYSTEM) 11 November 1998 (1998-11-11) * page 6, line 8 - line 21 * * figures 1-9 *	1-4,6-8	
Y	FR 2 797 761 A (NOVATECH INC) 2 March 2001 (2001-03-02) * page 13, line 19 - page 14, line 2 * * figure 9 *	5	
The present search report has been drawn up for all claims			
Place of search <b>MUNICH</b>		Date of completion of the search <b>8 December 2003</b>	Examiner <b>Skorovs, P</b>
<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons &amp; : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 25 7071

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The members are as contained in the European Patent Office EDP file on  
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08-12-2003

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 02087470	A	07-11-2002	WO 02087470 A1	07-11-2002
WO 9811846	A	26-03-1998	US 6007573 A	28-12-1999
			US 6254628 B1	03-07-2001
			AU 4484597 A	14-04-1998
			EP 1011520 A1	28-06-2000
			JP 2001504717 T	10-04-2001
			WO 9811846 A1	26-03-1998
			US 2002198592 A1	26-12-2002
			US 2002055766 A1	09-05-2002
			US 2002004676 A1	10-01-2002
EP 0873733	A	28-10-1998	US 5776142 A	07-07-1998
			EP 0873733 A1	28-10-1998
EP 0876804	A	11-11-1998	US 5891154 A	06-04-1999
			CA 2236557 A1	06-11-1998
			EP 0876804 A1	11-11-1998
			JP 2956966 B2	04-10-1999
			JP 11089942 A	06-04-1999
FR 2797761	A	02-03-2001	FR 2797761 A1	02-03-2001
			AU 2234400 A	01-03-2001
			CA 2301884 A1	24-02-2001
			EP 1078611 A1	28-02-2001
			JP 2001145700 A	29-05-2001
			US 6402760 B1	11-06-2002

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82